

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: August 31, 2005

Signature:

Denise Kacinski
(Denise Kacinski)

Docket No.: 62046(51588)
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
J. Keith Joung

Application No.: 10/532,031

Confirmation No.: Unknown

Filed: April 21, 2005

Art Unit: N/A

For: METHODS FOR PRODUCING SPECIFIC
ZINC FINGER PROTEINS CAPABLE OF
RECOGNIZING EXTENDED DNA
TARGET SEQUENCES

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be

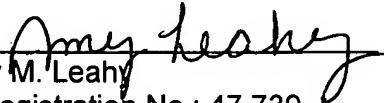
an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 62046(51588). A duplicate copy of this paper is enclosed.

Dated: August 31, 2005

Respectfully submitted,

By 
Amy M. Leahy

Registration No.: 47,739
EDWARDS & ANGELL, LLP
P.O. Box 55874
Boston, MA 02205
(203) 975-7505
Attorneys/Agents For Applicant

Substitute for form 1449A/B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/532,031
Filing Date	April 21, 2005
First Named Inventor	J. K. Joung
Art Unit	N/A
Examiner Name	Not Yet Assigned
Attorney Docket Number	62046(51588)

Sheet	1	of	1
-------	---	----	---

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-6,511,808	01/28/2003	Wolffe et al.	
	AB	US-6,503,717	01/07/2003	Case et al.	
	AC	US-6,492,117	12/10/2002	Choo et al.	
	AD	US-20020164575	11/07/2002	Case et al.	
	AE	US-20020160940	10/31/2002	Case et al.	
	AF	US-6,453,242	09/17/2002	Eisenberg et al.	
	AG	US-6,270,990	08/07/2001	Anderson et al.	
	AH	US-6,140,466	10/31/2000	Barbas, III et al.	
	AI	US-6,007,988	12/28/1999	Choo et al.	
	AJ	US-5,935,811	08/10/1999	Anderson et al.	
	AK	US-5,789,538	08/04/1998	Rebar et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	BA	EP 1,120,446	08/01/2001	Aventis Pharma S.A.		
	BB	WO 09/097092	12/05/2002	Garvan Inst. Of Medical Res.		
	BC	WO 96/27665	09/12/1996	California Institute of Tech.		
	BD	WO 99/41396	08/19/1999	Rhone-Poulenc Rorer S.A.		
	BE	WO 02/083929	10/24/2002	Clontech Labs, Inc.		
	BF	WO 02/44326	06/06/2002	Stratagene		
	BG	WO 99/07389	02/18/1999	Lexicon Genetics Inc.		
	BH	WO 02/26960	04/02/2002	Sangamo Biosciences, Inc.		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	WOLFE et al. "Combining structure-based design with phage display to create new Cys ₂ His ₂ Zinc finger dimers." Structure (2000) 8(7): 739-750	
	CB	WANG et al. "Dimerization of zinc fingers mediated by peptides evolved in vitro from radiation sequences." Proc. Natl. Acad. Sci USA (1999) 96, 9568-9573	
	CC	SUGIURA "Natural and artificial zinc finger proteins." Riken Review (2001), 35: 102-103	
	CD	SEGAL et al. "Evaluation of a modular strategy for the construction of novel polydactyl zinc finger DNA-binding proteins." Biochemistry (2003) 42(7) 2137-2148	
	CE	CHONG et al. "REST: A mammalian silencer protein that restricts sodium channel gene expression to neurons." Cell (1995) 80, 949-957	
	CF	REBAR et al. Induction of angiogenesis in a mouse model using engineered transcription factors." Nature Medicine (2002) 8(12) 1427-1432	

Examiner Signature	Date Considered
--------------------	-----------------



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Application Number	10/532,031
				Filing Date	April 21, 2005
				First Named Inventor	J. K. Joung
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	1	Attorney Docket Number	62046(51588)

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application No. (if known): 10/532,031

Attorney Docket No.: 62046(51588)



Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

on August 31, 2005
Date

Signature

Denise Kacinski

Typed or printed name of person signing Certificate

Registration Number, if applicable(203) 975-7505
Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

IDS (Citation) by Applicant (25 References) (1 page)
Information Disclosure Statement